

Linux Tips and Tricks

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October 25, 2005

Abstract

This document contains a collection of links to my notes on Linux which I am maintaining on the site titled [All about Linux](#). These notes cover my experiences in using Linux as well as System and Network administration topics. The notes are written in such a manner that it becomes easy to grasp the concepts easily even by a person new to linux. This is my endeavour to share my knowledge with people who are interested in learning Linux and becoming more productive in using this OS.

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1. Linux Tutorials

1.1. Bash Shell

Editing a Bash Command

Bash completion - Makes life easier for Linux users.

Special Shell Variables - Used in shell scripts.

Bash shell shortcuts

Configuring Xterm in Linux

10 Seconds guide to Bash Scripting

Enhancing system prompt \$PS1

Make your bash scripts userfriendly using dialog

screen - A window manager for the console.

Find number of days elapsed since Jan 1

1.2. Audio and Video

Burning audio and data CDs in Linux

How to play VCD .dat files using mplayer

Convert a VCD .dat file into mp3

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1.3. Installing files in Linux

RPM package manager

Package management using YUM

Autopackage - The vendor neutral installer for Linux.

Convert between RPM, Deb and Tgz package formats

How to make your own package CDs for offline use

Installing Mono in Linux

Configuring Java in Linux

1.4. Installing Linux

Installing RedHat directly from the ISOs saved on your harddisk

Installing Linux on a Mac Mini

Installing Ubuntu Linux alongside Windows OS

Linux installation on new machine

Dual booting WinXP and Fedora Core 2

1.5. Tricks with Editors in Linux

Vim - The powerful simple editor.

Use Abiword to convert filetypes on the command line

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1.6. Software Reviews

[Scribus](#) - The free DTP software for Linux.

[Flock](#) - The new experimental web browser for Linux

[PDF viewers for Linux](#)

1.7. Network Security

[Designing a firewall using Iptables](#)

[iptables](#) - The poor man's robust firewall for Linux

[TCP Wrappers in Linux](#)

[Apache Webserver](#) - Restrict access to your website.

1.8. Network Tips

[Routing, NAT and Gateways explained](#)

[Apache](#) - Namebased Vs IPbased Virtual Hosting

[Understanding DNS](#)

[DNS on Linux part I](#)

[DNS on Linux Part II](#)

[DNS on Linux Part III](#)

[Who owns which port](#)

[NIS client - server configuration](#)

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DHCP server configuration
Change the **hostname** of your machine

1.9. Mail server and clients

Sendmail - An Introduction
Sendmail Configuration - Relevant details
Change your MTA - from Sendmail to Postfix and vice versa.
Redirecting **root's** mail to another mail account
Mutt - The versatile email client for Linux
fetchmail and **Gmail** - Download mail from your gmail account using fetch-mail.

1.10. System Administration

Different ways of locking a user's account in Linux
Prevent a non-root user from shutting down / rebooting machine
Disk Quotas in Linux
Change system login banner in Linux
Enable centralised logging
System logging explained
Tips to secure your computer
find - Finding files in Linux

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Cron - Scheduling tasks in Linux the easy way.

SSH - Secure SHell explained

Setting up SSH in Linux

SUDO - Give selective super user powers to users or group of users.

Job Control

Sharing directories among several users - SUID, Sticky Bit etc.

/proc filesystem explained

NFS - Client and Server configuration.

System Logging in Linux

hdparm - Boosting your harddisk performance.

1.11. Linux Filesystem

Mounting NTFS filesystem in Linux

autofs - Auto-mounting your filesystem dynamically

LVM creation - Logical Volume Management creation in Linux.

Resizing LVM

1.12. Linux Backup

CPIO - Creating tar files using cpio.

Backup your data with rsync

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1.13. Hardware Configuration

[Configuring Rockwell chipset winmodem in Linux](#)

[Configuring Sound in Linux](#)

[Configuring Microsoft Serial Intellimouse](#)

[NVIDIA](#) - Graphics card configuration explained.

[Installing Harddrive in Linux](#)

[Howto install a network card in Linux](#)

[Assigning an IP address to your NIC](#)

[Setting up multiple IP addresses on a single NIC](#)

[How to change MAC address of your machine](#)

1.14. Linux Kernel

[Kernel compilation from source](#) - Linux 2.6

[Kernel compilation from source](#) - Linux 2.4

1.15. Database Tips

[MySQL Cheatsheet](#)

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[Enable restart option in KDE Menu](#)

1.17. Internet and Linux

[Connecting to BSNL internet dialup account](#)

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[Popular Linux Links](#)

1.19. Linux EyeCandy

[3ddesktop](#) - The desktop switcher on steroids

[Linux Eyecandy](#)

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Window Managers in Linux
Tag your files in GNOME
Howto use windows fonts in Mozilla

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